

AMENDMENTS TO THE CLAIMS

Claims 1-53 (Canceled).

54. (New) An embossed laminar product comprising at least two layers of web material wherein a first layer of said layers of web material has a background pattern made up of a first set of protuberances, on which is superimposed an ornamental motif made up of a second set of protuberances of major dimensions and minor density with respect to the first set of protuberances and to which said first layer is coupled a second layer of said layers of web material by means of adhesive; wherein said adhesive is applied in correspondence to said second set of protuberances, protuberances of said first set forming said background pattern being substantially free of adhesive.

55. (New) The product as claimed in claim 54, wherein said first layer and said second layer are adhered together by a colored adhesive.

56. (New) The product as claimed in claim 54 or 55, wherein said second layer is embossed.

57. (New) The product as claimed in claim 55, wherein said second layer has an embossing comprising a third set of protuberances of major dimensions and minor density with

respect to protuberances of said first set of protuberances defining the background pattern on the first layer.

58. (New) The product as claimed in claim 57, wherein the protuberances of said first set of protuberances are squeezed at positions of protuberances of said second set of protuberances of the first layer.

59. (New) The product as claimed in claim 57, wherein protuberances of the third set of protuberances on the second layer are inserted inside protuberances of said second set of protuberances on said first layer.

60. (New) The product as claimed in claim 57, wherein protuberances of the third set of protuberances on the second layer are higher than protuberances of the second set of protuberances on the first layer.

61. (New) The product as claimed in claim 57, wherein said first layer and said second layer are adhered together on at least some protuberances of the third set of protuberances on said second layer.

62. (New) The product as claimed in claim 57, further comprising a third layer joined to the first layer and the second layer at protuberances of the second set of protuberances of said first layer.

63. (New) The product as claimed in claim 62, wherein said third layer is embossed with a fourth set of

protuberances arranged with a pattern common to a pattern of protuberances of the third set of protuberances on said second layer, but lower in height.

64. (New) The product as claimed in claim 62 or 63, wherein said third layer is adhered to said first layer on at least some protuberances of said second set of protuberances.

65. (New) The product as claimed in claim 56, wherein said second layer comprises at least one background embossing including a plurality of third protuberances having minor dimensions and major density with respect to said ornamental motif.

66. (New) The product as claimed in claim 65, wherein protuberances of each of said at least two layers of web material project from a surface of a corresponding layer facing an interior of the product.

67. (New) The product as claimed in claims 65, wherein said third protuberances in said second layer are squeezed at positions of the second protuberances of the first layer, forming said ornamental motif.

68. (New) The product as claimed in claim 67, wherein protuberances forming said ornamental motif meet in the first layer, said second layer has protuberances on a surface facing opposite the first layer.

69. (New) A device for producing a web material made up of at least two layers, comprising:

- a first embossing unit for generating on at least a first layer of said at least two layers a background pattern made up of a first set of protuberances;
- a second embossing unit for generating on said first layer an ornamental motif made up of a second set of protuberances of major dimensions and minor density with respect to protuberances of said first set of protuberances and partially superimposed on said background pattern;
- an adhesive applicator for applying an adhesive for coupling a second layer to said first layer;
- wherein said adhesive applicator applies said adhesive on protuberances of said second set of protuberances, but not on the protuberances of said first set of protuberances forming said background pattern, and cooperates with said second embossing unit.

70. (New) Device as claimed in claim 69, wherein a first pressure roller, which is common to said first embossing unit and said second embossing unit, interacts with a first embossing cylinder and a second embossing cylinder carrying respective points on cylindrical surfaces thereof for generating on the first layer said first set of protuberances and said second set of protuberances.

71.. (New) Device as claimed in claim 70, wherein the points of the first embossing cylinder have greater density and smaller dimensions than the points of the second embossing cylinder.

72. (New) Device as claimed in claim 71, further comprising a second pressure roller interacting with the second embossing cylinder.

73. (New) Device as claimed in claim 69, wherein said first embossing unit comprises a first pressure roller interacting with a first embossing cylinder and wherein said second embossing unit comprises a second embossing cylinder interacting with a second pressure roller and a third pressure roller.

74. (New) Device as claimed in claim 69, further comprising:

– a third embossing unit, for a second layer, said first embossing unit and said third embossing unit generating in said first layer and said second layer a background pattern including a first set of protuberances.

75. (New) Device as claimed in claim 74, wherein said means for coupling together said at least two layers join the first layer and the second layer at positions of protuberances of the second set of protuberances which form said ornamental motif.

76. (New) Device as claimed in claim 74 or 75,
wherein said first embossing unit and said third embossing
unit for generating said background pattern on the first
layer and on the second layer each comprise a pair of
embossing rollers, one roller of which is provided with
points while another roller of which is provided with a
yielding surface.

77. (New) Device as claimed in claim 74 or 75,
wherein said means for coupling said first layer and said
second layer include an embossing cylinder of the second
embossing unit and a marrying roller, said embossing
cylinder being provided with points for generating the
second set of protuberances forming said ornamental motif.

78. (New) Device as claimed in claim 77, wherein said
marrying roller has a substantially rigid cylindrical
surface.

79. (New) Device as claimed in claim 74 or 75,
wherein the first embossing unit for the first layer
comprises a pair of embossing rollers; the second embossing
unit comprises an embossing cylinder, provided with points
for generating the second set of protuberances forming said
ornamental motif, and interacting with a pressure roller;
and the third embossing unit for the second layer comprises

an embossing cylinder provided with points and interacting with a pressure roller having a yielding surface.

80. (New) Device as claimed in claim 79, wherein said means for coupling said at least two layers includes said first embossing cylinder and said second embossing cylinder, which form therebetween a lamination area in which the points of the first embossing cylinder and the second embossing cylinder interact with each other.

81. (New) Device as claimed in claim 69, wherein said second embossing unit has an embossing cylinder with interchangeable points.

82. (New) Device as claimed in claim 74, wherein the first embossing unit for the first layer comprises a roller provided with points and interacting with a pressure roller covered with yielding material, which interacts with an embossing cylinder of the second embossing unit.

83. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are higher than and partially superimposed on the first set of protuberances making up the

background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern, said first set of protuberances and said second set of protuberances protruding from a common face of said first layer; and

– coupling by means of adhesive to said first layer of web material at least a second layer of web material,

– wherein the adhesive is applied, prior to said coupling of said first layer to said second layer, in areas corresponding to at least some protuberances of said second set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern.

84. (New) The method according to claim 83 wherein the background pattern on the first layer of web material is provided by embossing in-line and before the embossing of the first layer for generating said ornamental motif.

85. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second

set of protuberances, which are partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern,

- embossing a second layer of web material for generating thereon a third set of protuberances having the same density as the protuberances of said second set,
- coupling by means of adhesive to said first layer of web material at least said second layer of web material,
- wherein the adhesive is applied, prior to said coupling of said first layer to said second layer, to a top surface of at least some protuberances of said third set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern, and
- wherein protuberances of said second set and said third set are inserted inside one another.

86. (New) The method according to claim 85 further comprising generating said first set of protuberances and said second set of protuberances on the first layer by running said first layer around a first pressure roller interacting with a first embossing cylinder and a second

embossing cylinder that have respectively a first set of points and a second set of points, the second set of points being of larger dimension and lower density than the first set of points.

87. (New) The method according to claim 85 further comprising generating said first set of protuberances by embossing with a first embossing cylinder and a first pressure roller, and generating said second set of protuberances with a second pressure roller and a second embossing cylinder with which a third pressure roller interacts, the second embossing cylinder and the third pressure roller generating said third set of protuberances on said second layer.

88. (New) The method according to claim 83 wherein said second layer of web material is provided with a background pattern made up of a set of protuberances.

89. (New) The method according to claim 88 wherein said background pattern of the second layer of web material is provided by embossing in-line and before coupling with the first layer of web material.

90. (New) The method according to claim 83, wherein said first layer and said second layer are separately embossed by corresponding first embossing units, which generate protuberances forming the background pattern on the

first layer and the second layer, and are then run around a first embossing cylinder provided with points for generating said ornamental motif on the first layer and for joining the first layer and the second layer.

91. (New) The method according to claim 83 or 88, wherein said first layer and said second layer are joined together by a colored adhesive.

92. (New) The method according to claim 85 further comprising applying an adhesive to at least some protuberances of said third set on said second layer, and joining said first layer and said second layer by adhering the first layer and the second layer together, with protuberances of said third set in correspondence with protuberances of said second set.

93. (New) The method according to claim 85 further comprising applying an adhesive to at least some protuberances of said third set on said second layer, and joining said first layer and said second layer by adhering the first layer and the second layer together, with protuberances of said third set in correspondence with protuberances of said second set.

94. (New) The method according to claim 85 further comprising embossing said second layer with a greater

embossed depth than an embossed depth of the second set of protuberances on the first layer.

95. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern,

– embossing a second layer of web material for generating thereon a third set of protuberances having the same density as the protuberances of said second set,

– coupling by means of adhesive to said first layer of web material at least said second layer of web material,

– wherein the adhesive is applied to a top surface of at least some protuberances of said third set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern,

- wherein protuberances of said second set and said third set are inserted inside one another,
- wherein said first set of protuberances and said second set of protuberances are generated on the first layer by running said first layer around a first pressure roller interacting with a first embossing cylinder and a second embossing cylinder that have respectively a first set of points and a second set of points, the second set of points being of larger dimension and lower density than the first set of points,
- wherein said first layer and said second layer are joined together between the first pressure roller and the second embossing cylinder that interacts with the first pressure roller,
- wherein said second embossing cylinder interacts with a second pressure roller to generate a third set of protuberances on said second layer, and
- further comprising embossing said second layer with a greater embossed depth than an embossed depth of the second set of protuberances on the first layer.

96. (New) The method according claim 85 further comprising generating said first set of protuberances by a first embossing cylinder with a first pressure roller, and generating said second set of protuberances with a second

pressure roller and a second embossing cylinder, with which a third pressure roller interacts, the second embossing cylinder and the third pressure roller generating said third set of protuberances on said second layer.

97. (New) The method according to claim 89 wherein protuberances of said background pattern on the first layer and protuberances of said ornamental motif on the first layer project toward said second layer, while said protuberances of said background pattern on the second layer project toward said first layer.

98. (New) The method according to claim 89 wherein said first layer and said second layer are separately embossed by corresponding first embossing units, which generate protuberances forming the background pattern on the first layer and the second layer, and are then run around an embossing cylinder provided with points for generating said ornamental motif on the first layer and for joining the first layer and the second layer.

99. (New) The method according to claim 89 wherein said first layer and said second layer are joined together by a colored adhesive.

100. (New) The method according to claim 90 wherein said first layer and the said second layer are joined together by a colored adhesive.

101. (New) The method according to claim 97 wherein said first layer and said second layer are separately embossed by corresponding first embossing units, which generate protuberances forming the background pattern on the first layer and the second layer, and are then run around an embossing cylinder provided with points for generating said ornamental motif on the first layer and for joining the first layer and the second layer.

102. (New) The method according to claim 97 wherein said first layer and said second layer are joined together by a colored adhesive.

103. (New) A method for producing an embossed sheet material including at least two layers of web material joined together; comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are higher than and partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern, said first set of protuberances and said second set of protuberances protruding from a common face of said first layer; and

– coupling by means of adhesive to said first layer of web material at least a second layer of web material,
– wherein the adhesive is applied, prior to said coupling of said first layer to said second layer, in areas corresponding to at least some protuberances of said second set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern, wherein the second set of protuberances are provided on the first layer before the first layer is joined to said second layer.

104. (New) The method according to claim 85 wherein the background pattern on said first layer of web material is provided by embossing in-line and before the embossing of said first layer for generating said ornamental motif.

105. (New) The method according to claim 85 wherein said first set of protuberances are generated on said first layer by a first embossing cylinder, said third set of protuberances are generated on said second layer by a second embossing cylinder and said adhesive is applied thereon, while said second layer is in contact with said second embossing cylinder, said first layer is placed on said second layer while said second layer is still in contact with said second embossing cylinder, and said second set of

protuberances are generated by laminating said first layer and said second layer on said second embossing cylinder.

106. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern, wherein the background pattern on the first layer of web material is provided by embossing in-line and before the embossing of the first layer for generating said ornamental motif,

– coupling by means of adhesive to said first layer of web material at least a second layer of web material, wherein the adhesive is applied in areas corresponding to at least some protuberances of said second set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern,

– generating said first set of protuberances and said second set of protuberances on the first layer by running said first layer around a first pressure roller interacting with a first embossing cylinder and a second embossing cylinder that have respectively a first set of points and a second set of points, the second set of points being of larger dimension and lower density than the first set of points, and

– joining together said first layer and said second layer between the first pressure roller and the second embossing cylinder that interacts with the first pressure roller;

– wherein said second embossing cylinder interacts with a second pressure roller to generate a third set of protuberances on said second layer; and

– further comprising applying an adhesive to at least some protuberances of said third set on said second layer, and joining said first layer and said second layer by adhering the first layer and the second layer together, with protuberances of said third set being in correspondence with protuberances of said second set.

107. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a pattern of major dimensions and minor density with respect to the background pattern,

– embossing a second layer of web material for generating thereon a third set of protuberances having the same density as the protuberances of said second set,

– coupling by means of adhesive to said first layer of web material at least said second layer of web material,

– wherein the adhesive is applied to a top surface of at least some protuberances of said third set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern,

– wherein protuberances of said second set and said third set are inserted inside one another,

– wherein said first set of protuberances and said second set of protuberances are generated on the first layer by running said first layer around a first pressure roller interacting with a first embossing cylinder and a second

embossing cylinder that have respectively a first set of points and a second set of points, the second set of points being of larger dimension and lower density than the first set of points, and

– wherein said second embossing cylinder interacts with a second pressure roller to generate a third set of protuberances on said second layer.

108. (New) The method according to claim 107 further comprising applying an adhesive to at least some protuberances of said third set on said second layer, and joining said first layer and said second layer by adhering said first layer and said second layer together, with protuberances of said third set in correspondence with protuberances of said second set.

109. (New) A method for producing an embossed sheet material including at least two layers of web material joined together, comprising steps of:

– embossing a first layer of web material, previously provided with a background pattern made up of a first set of protuberances, so as to generate on the first layer a second set of protuberances, which are partially superimposed on the first set of protuberances making up the background pattern, and defining an ornamental motif made up of a

pattern of major dimensions and minor density with respect to the background pattern,

- embossing a second layer of web material for generating thereon a third set of protuberances having the same density as the protuberances of said second set,
- coupling by means of adhesive to said first layer of web material at least said second layer of web material,
- wherein the adhesive is applied to a top surface of at least some protuberances of said third set of protuberances, the sheet material being substantially free of adhesive in correspondence with protuberances of said first set of protuberances forming said background pattern,
- wherein protuberances of said second set and said third set are inserted inside one another,
- wherein said first set of protuberances and said second set of protuberances are generated on the first layer by running said first layer around a first pressure roller interacting with a first embossing cylinder and a second embossing cylinder that have respectively a first set of points and a second set of points, the second set of points being of larger dimension and lower density than the first set of points, and

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— wherein said second layer is embossed with a greater embossed depth than an embossed depth of the second set of protuberances on the first layer.